

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20060162157"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/13 07:42
L2	0	component same face same away same carrier same bump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/13 07:44
L3	15	component same away same carrier same bump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/13 08:05
L4	8	("5753969").URPN.	USPAT	OR	OFF	2007/08/13 07:46
L5	11	("20020084518"   "5422163"   "5691242"   "5731231"   "5753969"   "5753974"   "5914531"   "5986335"   "6100598"   "6111306"   "6369440").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 07:56
L6	1	"5639989".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 07:56
L7	104	("5639989").URPN.	USPAT	OR	OFF	2007/08/13 07:57
L8	18	("20010033478"   "4814943"   "5355016"   "5394304"   "5468910"   "5559306"   "5594204"   "5639989"   "5677511"   "5811050"   "6566596"   "6596937"   "6614102"   "6624353"   "6643918"   "6686649"   "6717485"   "6768654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 07:57
L9	5	("20020000654"   "20030168969"   "5639989"   "6150193"   "6414382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 07:59
L10	104	("5639989").URPN.	USPAT	OR	OFF	2007/08/13 08:00
L11	9	("5146047"   "5166772"   "5166864"   "5175613"   "5341274"   "5379185"   "5392197"   "5394304"   "5513078").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:00
L12	22	("5394304").URPN.	USPAT	OR	OFF	2007/08/13 08:01
L13	1	("5166864").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:03

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L14	21	board same away same carrier same bump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/13 08:05
L15	53	("4967261").URPN.	USPAT	OR	OFF	2007/08/13 08:20
L16	6	("3390308"   "3838984"   "4363076"   "4792532"   "4801999").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:23
L17	55	("4801999").URPN.	USPAT	OR	OFF	2007/08/13 08:26
L18	9	board same bump same chip same carrier same foil	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 08:26
L19	36	("3621564"   "3645392"   "3719981"   "4119480"   "4311267"   "4722470"   "4752027"   "4825034"   "4914814"   "5024372"   "5057969"   "5118027"   "5133495"   "5145104"   "5196726"   "5203075"   "5219117"   "5261155"   "5261593"   "5275970"   "5341564"   "5346118"   "5388327"   "5468681"   "5492266"   "5539333"   "5542601"   "5545465"   "5564617"   "5586715"   "5597469"   "5607099"   "5623506"   "5643831"   "5658827").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:31
L20	62	("5872051").URPN.	USPAT	OR	OFF	2007/08/13 08:33
L21	46	("3839727"   "4701482"   "5060844"   "5062896"   "5134460"   "5137845"   "5147084"   "5237130"   "5241133"   "5258577"   "5328087"   "5355283"   "5367765"   "5420460"   "5445308"   "5459287"   "5591941"   "5604379"   "5611140"   "5634268"   "5672400"   "5672913"   "5681647"   "5714252"   "5729896"   "5761048"   "5762259"   "5783461"   "5796591"   "5813870"   "5844168"   "5861322"   "5864470"   "5868304"   "5872051"   "5879530"   "5918113"   "5943212"   "5953589"   "5958590"   "5985043"   "5985456"   "6017634"   "6059992"   "6114413"   "6120885").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:55

## EAST Search History

L22	1	"6507121".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:56
L23	4	("5239198"   "5539153"   "5841198"   "5872400").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:58
L24	1	component same contact same bump same carrier same metal same cover	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 08:59
L25	94	component same contact same bump same carrier	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:00
L26	8175	solder adj bump	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:00
L27	46	25 and 26	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:00
L28	28	("5233504").URPN.	USPAT	OR	OFF	2007/08/13 09:43
L29	2814	29/846.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 09:43
L30	1	15 and 29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 09:43
L31	2479	29/840.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 09:44
L32	5	25 and 31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 09:44

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L33	36	("20020032280"   "20020043721"   "20020162679"   "4604644"   "4917466"   "5089440"   "5232532"   "5250848"   "5292688"   "5386624"   "5471096"   "5536765"   "5623006"   "5651179"   "5656862"   "5668059"   "5880530"   "6030854"   "6083774"   "6169022"   "6171887"   "6194788"   "6209196"   "6225704"   "6228678"   "6228681"   "6265776"   "6294271"   "6297560"   "6310120"   "6370923"   "6399178"   "6400033"   "6429238"   "6479167"   "6927097").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:46
L34	2199	29/832.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:46
L35	1	25 and 34	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:47
L36	425	438/119.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:47
L37	3	25 and 36	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:47
L38	762	438/121.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:47
L39	0	25 and 38	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:48
L40	1141	174/250.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:48
L41	1	25 and 40	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:48
L42	1776	29/840.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:48
L43	5	25 and 42	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:49
L44	263	257/708.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:49

## EAST Search History

L45	0	25 and 44	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:49
L46	1872	361/760.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:49
L47	4	25 and 46	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:50
L48	918	361/749.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:50
L49	0	25 and 48	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 09:50